

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101108.D
 Acq On : 4 Dec 2017 19:49
 Operator : SJ/JU
 Sample : I6645-01MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BSC-SB-04MS

Manual Integrations
 APPROVED

Quant Time: Dec 05 02:21:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	53159	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	208045	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89391	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	146592	20.00	ng	0.00
75) Chrysene-d12	14.02	240	117810	20.00	ng	0.00
86) Perylene-d12	15.50	264	108087	20.00	ng	0.00

Sohil

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	322384	100.21	ng	0.01
7) Phenol-d6	6.49	99	385395	98.67	ng	0.01
23) Nitrobenzene-d5	7.42	82	229325	65.75	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	88942	82.83	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	433016	66.28	ng	0.00
78) Terphenyl-d14	12.96	244	304496	56.53	ng	0.00

12/5/2017 3:24:46 PM

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	38518	28.95	ng	96
3) Pyridine	3.44	79	109003	31.61	ng	94
4) n-Nitrosodimethylamine	3.39	42	58077	34.48	ng	# 88
6) Aniline	6.52	93	107444	21.15	ng	99
8) 2-Chlorophenol	6.64	128	124010	35.35	ng	93
9) Benzaldehyde	6.40	77	52512	21.97	ng	93
10) Phenol	6.50	94	157029	36.16	ng	92
11) bis(2-Chloroethyl)ether	6.59	93	109566	33.63	ng	96
12) 1,3-Dichlorobenzene	6.79	146	139357	34.12	ng	96
13) 1,4-Dichlorobenzene	6.87	146	139097	32.89	ng	97
14) 1,2-Dichlorobenzene	7.02	146	132286	33.54	ng	97
15) Benzyl Alcohol	6.99	79	103231	34.22	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.12	45	178004	40.20	ng	97
17) 2-Methylphenol	7.10	107	100277	35.40	ng	96
18) Hexachloroethane	7.36	117	32908	24.22	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	84127	31.98	ng	92
20) 3+4-Methylphenols	7.26	107	127067	34.40	ng	# 73
22) Acetophenone	7.26	105	163665	32.56	ng	# 90
24) Nitrobenzene	7.43	77	123538	36.14	ng	98
25) Isophorone	7.67	82	222655	37.38	ng	98
26) 2-Nitrophenol	7.75	139	56094	29.90	ng	94
27) 2,4-Dimethylphenol	7.79	122	106661	39.30	ng	96
28) bis(2-Chloroethoxy)methane	7.88	93	139542	34.85	ng	98
29) 2,4-Dichlorophenol	7.99	162	107250	36.30	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	110825	34.11	ng	96
31) Naphthalene	8.16	128	345809	33.73	ng	99
32) Benzoic acid	7.86	122	6062m	2.87	ng	
33) 4-Chloroaniline	8.20	127	65587	15.92	ng	98
34) Hexachlorobutadiene	8.27	225	65007	32.62	ng	97
35) Caprolactam	8.57	113	29298m	31.82	ng	
36) 4-Chloro-3-methylphenol	8.69	107	103948	33.96	ng	98
37) 2-Methylnaphthalene	8.85	142	238029	34.16	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	107053	32.97	ng	# 96
40) Hexachlorocyclopentadiene	8.99	237	4736	11.76	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101108.D
 Acq On : 4 Dec 2017 19:49
 Operator : SJ/JU
 Sample : I6645-01MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BSC-SB-04MS

Manual Integrations
 APPROVED

Quant Time: Dec 05 02:21:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	73829	38.78	nq	97
43) 2,4,5-Trichlorophenol	9.17	196	75151	36.93	nq	94
45) 1,1'-Biphenyl	9.31	154	270830	33.07	nq	97
46) 2-Chloronaphthalene	9.34	162	213713	36.74	nq	95
47) 2-Nitroaniline	9.43	65	62751	36.47	nq	97
48) Acenaphthylene	9.75	152	320555	33.54	nq	99
49) Dimethylphthalate	9.61	163	296860	41.18	nq	100
50) 2,6-Dinitrotoluene	9.67	165	50510	33.26	nq	97
51) Acenaphthene	9.92	154	184429	32.22	nq	99
52) 3-Nitroaniline	9.85	138	45892	26.88	nq	95
53) 2,4-Dinitrophenol	9.97	184	663	5.63	nq	# 15
54) Dibenzofuran	10.10	168	279280	33.86	nq	97
55) 4-Nitrophenol	10.02	139	63113	54.81	nq	92
56) 2,4-Dinitrotoluene	10.09	165	63816	31.36	nq	# 89
57) Fluorene	10.44	166	215388	32.12	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	54059	33.18	nq	# 86
59) Diethylphthalate	10.30	149	242965	34.17	nq	98
60) 4-Chlorophenyl-phenylether	10.43	204	109784	33.16	nq	92
61) 4-Nitroaniline	10.46	138	48362	27.28	nq	90
62) Azobenzene	10.59	77	188635	31.26	nq	95
64) 4,6-Dinitro-2-methylphenol	10.50	198	2882	2.93	nq	79
65) n-Nitrosodiphenylamine	10.54	169	200467	38.76	nq	95
66) 4-Bromophenyl-phenylether	10.92	248	64767	39.47	nq	# 87
67) Hexachlorobenzene	10.99	284	61731	35.10	nq	# 90
68) Atrazine	11.07	200	59660	37.61	nq	96
69) Pentachlorophenol	11.19	266	50836	52.57	nq	96
70) Phenanthrene	11.40	178	265169	32.85	nq	97
71) Anthracene	11.46	178	274643	33.61	nq	98
72) Carbazole	11.61	167	237756	31.85	nq	98
73) Di-n-butylphthalate	11.93	149	332872	35.58	nq	98
74) Fluoranthene	12.59	202	253891	28.37	nq	95
76) Benzidine	12.72	184	161608	42.18	nq	97
77) Pyrene	12.82	202	252158	31.02	nq	98
79) Butylbenzylphthalate	13.43	149	111213	31.03	nq	# 87
80) Benzo(a)anthracene	14.01	228	244834	32.92	nq	99
81) 3,3'-Dichlorobenzidine	13.97	252	88308	34.28	nq	98
82) Chrysene	14.05	228	230644	33.39	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	159178	31.15	nq	99
84) Di-n-octyl phthalate	14.60	149	282208	33.17	nq	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	172703	28.12	nq	# 92
87) Benzo(b)fluoranthene	15.07	252	230621	35.62	nq	98
88) Benzo(k)fluoranthene	15.10	252	216773	33.99	nq	# 94
89) Benzo(a)pyrene	15.44	252	197526	33.56	nq	# 97
90) Dibenzo(a,h)anthracene	16.99	278	151265	29.15	nq	95
91) Benzo(g,h,i)perylene	17.43	276	133351	27.27	nq	# 91

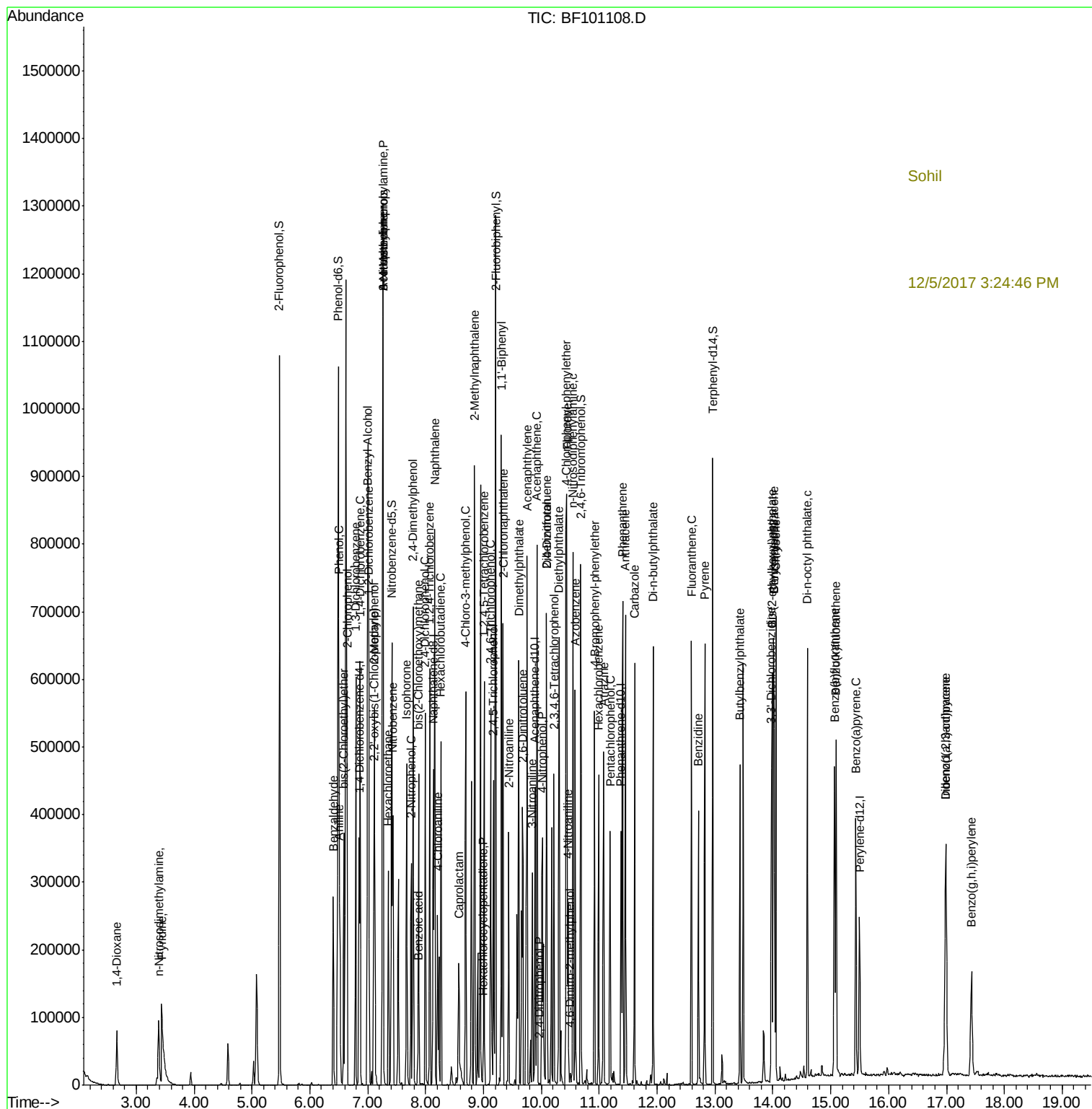
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\  
Data File : BF101108.D  
Acq On    : 4 Dec 2017 19:49  
Operator  : SJ/JU  
Sample    : I6645-01MS  
Misc      :  
ALS Vial  : 24 Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
BSC-SB-04MS

Manual Integrations APPROVED

Quant Time: Dec 05 02:21:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration



Sohil

12/5/2017 3:24:46 PM